



Postdoctoral position to investigate mechanisms of respiratory infections In the excellence cluster RESIST ('Resolving Infection Susceptibility') we wish to recruit a postdoctoral research associate to work in the group of Prof. Gesine Hansen. The project aims to better understand the immunological mechanisms of respiratory infections, especially RSV infections, in very young children in order to develop new preventive and therapeutic approaches for this often life threatening infant infection. The analysis will be performed in vitro as well as in murine models and with biosamples of a clinical cohort of young children with severe RSV infection. The project is performed in collaboration with the group of Prof. Thomas Pietschmann, Institute of Experimental Virology, TwinCore.

- We are interested in immunologists with special interest in T, B, DC and epithelial cell immunology.
- We are part of the Excellence Cluster RESIST, the German Center for Lung Research (DZL) and other national and international networks.
- We provide an international, interdisciplinary, exciting and stimulating scientific environment at Hannover Medical School, Helmholtz Center for Infectious Diseases, TwinCore, Fraunhofer Institute.
- We use a wide range of molecular methodologies including but not limited to deep phenotyping of cells by FACS analysis, chipcytometry, single cell sequencing, transcriptomics, cytokine measurements and well established murine models.
- We offer a state-of-the-art equipment in molecular biology and modern laboratories on the campus directly next to the clinic.

We are looking for an individual with experience in immunology and ideally virology as well that likes to work in a motivated interdisciplinary team and aims to analyze scientific questions that are highly relevant for patients with severe infection. Expertise in murine models would be particularly welcome.

Please send your application by referencing to job offer containing CV, motivation letter, list of publications and references to:

Hannover Medical School, Department of Pediatric Pneumology, Allergology and Neonatology, Prof. Gesine Hansen, Carl-Neuberg-Str. 1, 30625 Hannover, Germany or by e-mail:

hansen.office@mh-hannover.de

For further information related to the position, please contact:

Prof. Dr. Gesine Hansen, Telephone: +49 511 532 9138 or by Email: hansen.gesine@mh-hannover.de